

PATENT COOPERATION TREATY

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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference E01/1443/WO	FOR FURTHER ACTION <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small>	
International application No. PCT/IB 03/01791	International filing date (day/month/year) 09/04/2003	(Earliest) Priority Date (day/month/year) 09/04/2002
Applicant EPIGENOMICS AG		
<p>This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.</p> <p>This International Search Report consists of a total of <u>4</u> sheets.</p> <p><input checked="" type="checkbox"/> It is also accompanied by a copy of each prior art document cited in this report.</p>		
<p>1. Basis of the report</p> <p>a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.</p> <p><input type="checkbox"/> the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).</p> <p>b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing :</p> <p><input type="checkbox"/> contained in the international application in written form.</p> <p><input type="checkbox"/> filed together with the international application in computer readable form.</p> <p><input checked="" type="checkbox"/> furnished subsequently to this Authority in written form.</p> <p><input checked="" type="checkbox"/> furnished subsequently to this Authority in computer readable form.</p> <p><input checked="" type="checkbox"/> the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.</p> <p><input checked="" type="checkbox"/> the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished</p> <p>2. <input type="checkbox"/> Certain claims were found unsearchable (See Box I).</p> <p>3. <input type="checkbox"/> Unity of invention is lacking (see Box II).</p> <p>4. With regard to the title,</p> <p><input checked="" type="checkbox"/> the text is approved as submitted by the applicant.</p> <p><input type="checkbox"/> the text has been established by this Authority to read as follows:</p> <p>5. With regard to the abstract,</p> <p><input checked="" type="checkbox"/> the text is approved as submitted by the applicant.</p> <p><input type="checkbox"/> the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this International search report, submit comments to this Authority.</p> <p>6. The figure of the drawings to be published with the abstract is Figure No.</p> <p><input type="checkbox"/> as suggested by the applicant. <input checked="" type="checkbox"/> None of the figures.</p> <p><input type="checkbox"/> because the applicant failed to suggest a figure.</p> <p><input type="checkbox"/> because this figure better characterizes the invention.</p>		

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 03/01791A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data bases consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, MEDLINE, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ¹	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>GITAN RAAD S ET AL: "Methylation-specific oligonucleotide microarray: a new potential for high-throughput methylation analysis" GENOME RESEARCH, COLD SPRING HARBOR LABORATORY PRESS, US, vol. 12, no. 1, January 2002 (2002-01), pages 158-164, XP002208051 ISSN: 1088-9051 page 162, right-hand column, paragraph 3 -page 163, right-hand column, paragraph 2 — —/—</p>	1-30

 Further documents are listed in the continuation of box C. Patent family members are listed in annex

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *V* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *S* document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

8 January 2004

16/01/2004

Name and mailing address of the ISA

European Patent Office, P.O. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Fax. 31 651 990 016
 Fax. (+31-70) 340-3016

Authorized officer

Nichogiannopoulou, A

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 03/01791

C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	EADS C A ET AL: "MethyLight: a high-throughput assay to measure DNA methylation" NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 28, no. 8, 15 April 2000 (2000-04-15), pages E321-E328, XP002249149 ISSN: 0305-1048 page 322, left-hand column, paragraph 6 -right-hand column, paragraph 2	1-30
Y	WO 02 18632 A (PIEPENBROCK C; BERLIN K (DE); EPIGENOMICS AG (DE)) 7 March 2002 (2002-03-07) page 14, line 22 -page 15, line 10	1-30
Y	WO 00 70090 A (UNIV SOUTHERN CALIFORNIA) 23 November 2000 (2000-11-23) cited in the application page 5, line 30 -page 7, line 19; claim 1	1-30
A	REIN ET AL: "Identifying 5-methylcytosine and related modifications in DNA genomes" NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 26, no. 10, 1998, pages 2255-2264, XP002143106 ISSN: 0305-1048 the whole document	1
A	HERMAN J G ET AL: "METHYLATION-SPECIFIC PCR: A NOVEL PCR ASSAY FOR METHYLATION STATUS OF CPG ISLANDS" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE, WASHINGTON, US, vol. 93, 1 September 1996 (1996-09-01), pages 9821-9826, XP002910406 ISSN: 0027-8424 the whole document	1

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB 03/01791

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0218632	A	07-03-2002	DE 10044543 A1 AU 1218702 A AU 1218802 A AU 4835201 A AU 5038101 A AU 5478801 A AU 5479401 A AU 7566301 A AU 7633001 A AU 7633101 A AU 7637101 A AU 7748701 A AU 7752101 A AU 7842001 A AU 7970701 A AU 8391501 A AU 8391601 A AU 8757501 A AU 8757601 A AU 8960001 A AU 8961701 A CA 2420840 A1 DE 20121966 U1 WO 0168911 A2 WO 0168912 A2 WO 0177375 A2 WO 0177164 A2 WO 0177376 A2 WO 0177377 A2 WO 0181622 A2 WO 0192565 A2 WO 0177378 A2 WO 0176451 A2 WO 0202806 A2 WO 0202807 A2 WO 0200926 A2 WO 0200927 A2 WO 0200928 A2 WO 0202808 A2 WO 0200705 A2 WO 0202809 A2 WO 0218631 A2 WO 0218632 A2 EP 1283905 A2 EP 1268855 A2 EP 1268857 A2 EP 1272670 A2 EP 1278893 A2 EP 1274865 A2 EP 1274866 A2	04-04-2002 13-03-2002 13-03-2002 24-09-2001 24-09-2001 23-10-2001 23-10-2001 23-10-2001 23-10-2001 23-10-2001 14-01-2002 23-10-2001 14-01-2002 07-11-2001 14-01-2002 08-01-2002 08-01-2002 11-12-2001 08-01-2002 27-02-2003 20-11-2003 20-09-2001 20-09-2001 18-10-2001 18-10-2001 18-10-2001 18-10-2001 01-11-2001 06-12-2001 18-10-2001 18-10-2001 10-01-2002 10-01-2002 03-01-2002 03-01-2002 03-01-2002 10-01-2002 03-01-2002 10-01-2002 07-03-2002 07-03-2002 19-02-2003 02-01-2003 02-01-2003 08-01-2003 29-01-2003 15-01-2003 15-01-2003
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